Discussion Guideline:

1. Chart
2. Input\Output Specification
3. Preprocess (Object Detection) Details
4. Problems

Object Detection:

1. Detect main objects: Existing Algorithms
2. Detect ground:

How to find ground?

1. First define several specific environment. Road, Grass,Snow,Mud
2. Train from dataset
3. Find existing algorithms for ground detection

How to verify a valid input?

By identify ground in the photo.

Composition Information (Model Input):

Edge Information (Lines/Curves) -> Composition Rule

Object size information

Relative positions

Another assessment method:

Find various photos of famous sightseeing spots with and without . Using the photos without human-full-body-shot as input of our algorithm. Compare our results with the existing photos with human-full-body-shot.

Problems:

1. Input features choice: A good photo involves more than just composition rules
2. Output assessment : how to quantify our assessment method